

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 8 (Cancelled):

9. (New) A laminated safety glass, comprising;
a first and a second pane of glass; and
arranged between the first and the second pane of glass, an intermediate layer, wherein the intermediate layer has a water content of from 0.15 to 0.8% by weight and comprises:

from 50 to 80% by weight of partially acetalized polyvinyl alcohol, and
from 20 to 50% by weight of a plasticizer mixture comprising a first plasticizer and
one or more polyalkylene glycols, wherein from 30 to 70% by weight of said
plasticizer mixture is said one or more polyalkylene glycols, and said one or more
polyalkylene glycols are selected from:

polyalkylene glycols of the general formula $\text{HO-(R-O)}_n\text{-H}$, wherein R is
alkylene and $n > 5$;

block copolymers of ethylene glycol and propylene glycol of the formula
 $\text{HO-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-H}$, wherein $n > 2$, $m > 3$, and
 $(n+m) < 25$;

derivatives of block copolymers of ethylene glycol and propylene glycol of
the formula $\text{R}_1\text{O-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-H}$ or $\text{HO-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-R}_1$, wherein $n > 2$, $m > 3$, and $(n+m) < 25$ and R_1 is
an organic radical;

derivatives of polyalkylene glycols of the formula $\text{R}_1\text{-O-(R}_2\text{-O)}_n\text{-H}$, wherein
 R_2 is alkylene and $n \geq 2$, and R_1 is an organic radical; and

derivatives of polyalkylene glycols of the formula $\text{R}_1\text{-O-(R}_2\text{-O)}_n\text{-R}_3$, where R_2 is

alkylene and $n > 5$, ands R_1 and R_3 are each an organic radical.

10. (New) A laminated safety glass according to claim 9, wherein said one or more polyalkylene glycols are selected from:

polyethylene glycol of the formula $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}$, wherein $8 < n < 25$;

block copolymers of ethylene glycol and propylene glycol of the formula $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-\text{H}$, wherein $n > 3$, $m > 4$, and $(n+m) < 20$;

derivatives of block copolymers of ethylene glycol and propylene glycol of the formula $R_2\text{O}-(\text{CH}_2-\text{CH}_2-\text{O})_n-(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-\text{H}$ or of the formula $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-R_1$, wherein $n > 3$, $m > 4$, and $(n+m) < 20$ and R_1 is an organic radical;

polybutylene glycol of the formula $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}$, wherein $4 < n < 18$; and

derivatives of the polyethylene glycol of the formula $R_1-\text{O}-(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}$, wherein $n \geq 2$ and R_1 is an organic radical.

11. (New) A laminated safety glass according to claim 9, wherein the proportion of polyalkylene glycols in the intermediate layer is greater than 10% by weight and less than 25% by weight.

12. (New) A laminated safety glass according to claim 9, wherein said first plasticizer is at least one plasticizer selected from esters of polybasic aliphatic or aromatic acids, and polyhydric aliphatic or aromatic alcohols or oligoether glycols having not more than four ether units with one or more unbranched or branched aliphatic or aromatic substituents.

13. (New) A laminated safety glass according to claim 12, wherein said first plasticizer

is at least one plasticizer selected from di-n-hexyl adipate and triethylene glycol bis-n-heptanoate, in each case being used at a proportion > 10% by weight of the total mixture.

14. (New) A laminated safety glass according to any of claim 9, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 19 to 22% by weight of vinyl alcohol radical and from 0.5 to 2.5% by weight of acetate radical.

15. (New) A sound-insulation film for producing laminated safety glass, comprising:
from 50 to 80% by weight of partially acetalized polyvinyl alcohol, and
from 20 to 50% by weight of a plasticizer mixture comprising a first plasticizer and
one or more polyalkylene glycols, wherein from 30 to 70% by weight of said
plasticizer mixture is said one or more polyalkylene glycols, and said one or more
polyalkylene glycols are selected from:

polyalkylene glycols of the general formula $\text{HO}-(\text{R}-\text{O})_n-\text{H}$, wherein R is
alkylene and $n > 5$;

block copolymers of ethylene glycol and propylene glycol of the formula
 $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-\text{H}$, wherein $n > 2$, $m > 3$, and
 $(n+m) < 25$;

derivatives of block copolymers of ethylene glycol and propylene glycol of
the formula $\text{R}_1\text{O}-(\text{CH}_2-\text{CH}_2-\text{O})_n-(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-\text{H}$ or $\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-$
 $(\text{CH}_2-\text{CH}(\text{CH}_3)-\text{O})_m-\text{R}_1$, wherein $n > 2$, $m > 3$, and $(n+m) < 25$ and R_1 is
an organic radical;

derivatives of polyalkylene glycols of the formula $\text{R}_1\text{O}-(\text{R}_2\text{O})_n-\text{H}$, wherein
 R_2 is alkylene and $n \geq 2$, and R_1 is an organic radical; and

derivatives of polyalkyle glycols of the formula $\text{R}_1\text{O}-(\text{R}_2\text{O})_n-\text{R}_3$, where R_2 is
alkylene and $n > 5$, ands R_1 and R_3 are each an organic radical.

16. (New) A process for improving sound insulation in laminated safety glass containing a film of plasticized partially acetalized polyvinyl alcohol resin, said process comprising adding to said resin at least one polyalkylene glycol whereby sound insulation is increased by at least 2 dB, measured according to DIN EN ISO 717, in the coincidence frequency region from 1000 to 3500 Hz, wherein said at least one polyalkylene glycol is selected from:

polyalkylene glycols of the formula $\text{HO-(R-O)}_n\text{-H}$, wherein R is alkylene and $n > 5$;

block copolymers of ethylene glycol and propylene glycol of the formula $\text{HO-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-H}$, where $n > 2$, $m > 3$, and $(n+m) < 25$;

derivatives of block copolymers of ethylene glycol and propylene glycol of the formula $\text{R}_1\text{O-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-H}$ or $\text{HO-(CH}_2\text{-CH}_2\text{-O)}_n\text{-(CH}_2\text{-CH(CH}_3\text{)-O)}_m\text{-R}_1$, wherein $n > 2$, $m > 3$, and $(n+m) < 25$ and R_1 is an organic radical;

derivatives of polyalkylene glycols of the formula $\text{R}_1\text{-O-(R}_2\text{-O)}_n\text{-H}$, wherein R_2 is alkylene and $n \geq 2$, and R_1 is an organic radical; and

derivatives of polyalkylene glycols of the formula $\text{R}_1\text{-O-(R}_2\text{-O)}_n\text{-R}_3$, where R_2 is alkylene and $n > 5$, ands R_1 and R_3 are each an organic radical.

17. (New) A laminated safety glass according to claim 10, wherein the proportion of the polyalkylene glycols in the intermediate layer is greater than 10% by weight and less than 25% by weight.

18. (New) A laminated safety glass according to claim 10, wherein said first plasticizer is at least one plasticizer selected from esters of polybasic aliphatic or aromatic acids, and

polyhydric aliphatic or aromatic alcohols or oligoether glycols having not more than four ether units with one or more unbranched or branched aliphatic or aromatic substituents.

19. (New) A laminated safety glass according to claim 17, wherein said first plasticizer is at least one plasticizer selected from esters of polybasic aliphatic or aromatic acids, and polyhydric aliphatic or aromatic alcohols or oligoether glycols having not more than four ether units with one or more unbranched or branched aliphatic or aromatic substituents.

20. (New) A laminated safety glass according to any of claim 10, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 19 to 22% by weight of vinyl alcohol radical and from 0.5 to 2.5% by weight of acetate radical.

21. (New) A laminated safety glass according to any of claim 11, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 19 to 22% by weight of vinyl alcohol radical and from 0.5 to 2.5% by weight of acetate radical.

22. (New) A laminated safety glass according to any of claim 12, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 19 to 22% by weight of vinyl alcohol radical and from 0.5 to 2.5% by weight of acetate radical.

23. (New) A laminated safety glass according to any of claim 13, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 19 to 22% by weight of vinyl alcohol radical and from 0.5 to 2.5% by weight of acetate radical.

24. (New) A laminated safety glass according to claim 12, wherein said first plasticizer is selected from dialkyladipates, dialkylsebacates, and esters of di, tri or tetra glycols with linear or branched aliphatic carboxylic acids.

25. (New) A laminated safety glass according to claim 12, wherein said first plasticizer is dihexyl adipate, dioctyl adipate, hexyl cyclohexyl adipate, a mixture of heptyl and nonyl adipates, diisononyl adipate, heptyl nonyl adipate, dibutyl sebacate, butyl benzyl phthalate,

diethylen glycol bis(2-ethylhexanoate), triethylene glycol bis(2-ethylhexanoate), triethylene glycol bis (2-ethylbutanoate), tetraethylene glycol bis-n-heptanoate, triethylene glycol bis-n-heptanoate, or triethylene glycol bis-n-hexanoate.

26. (New) A laminated safety glass according to any of claim 9, wherein said partially acetalized polyvinyl alcohol is polyvinyl butyral having from 10 to 25% by weight of vinyl alcohol radical and from 0 to 20% by weight of acetate radical.

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27. (New) A sound installation film according to claim 15, wherein the plasticizer content of said film is 25-40 % by weight and the proportion of the polyalkylene glycol plasticizer is more than 5 % by weight.